

Title (en)

Steam turbine blade and corresponding method

Title (de)

Dampfturbinenschaufel und entsprechendes Verfahren

Title (fr)

Aube de turbine à vapeur et procédé associé

Publication

EP 1764478 A2 20070321 (EN)

Application

EP 06254794 A 20060914

Priority

US 22824105 A 20050919

Abstract (en)

A bucket (10) for a steam turbine includes an airfoil portion (12) having a radially outer tip (18), the radially outer tip having a thermal barrier coating (22) applied thereto, and wherein the thermal barrier coating is resurfaced to form at least one ridge (26) along the radially outer tip.

IPC 8 full level

F01D 5/20 (2006.01); **F01D 5/28** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

F01D 5/20 (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US)

Citation (applicant)

- GB 2158160 A 19851106 - GEN ELECTRIC
- EP 0661415 A1 19950705 - SULZER INNOTEC AG [CH]
- EP 0702130 A2 19960320 - MTU MUENCHEN GMBH [DE]

Cited by

CN103541777A; CN104838092A; EP3056676A1; EP2444592A1; EP2952685A1; US9353632B2; WO2014099814A1; US10876415B2; EP2937514B1

Designated contracting state (EPC)

CH DE FR GB IT LI

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1764478 A2 20070321; **EP 1764478 A3 20081029**; CN 1936275 A 20070328; CN 1936275 B 20121031; JP 2007085344 A 20070405; JP 5143389 B2 20130213; US 2007224049 A1 20070927; US 7922455 B2 20110412

DOCDB simple family (application)

EP 06254794 A 20060914; CN 200610139901 A 20060918; JP 2006250275 A 20060915; US 22824105 A 20050919